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objectives

- Define what I-NEDSS is and the history of the project
- Provide an update on the current status of the State-wide rollout
- Discuss benefits and challenges of electronic disease reporting and surveillance

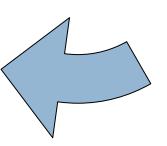
what is I-NEDSS?

- The Indiana National Electronic Disease Surveillance System (I-NEDSS) is a web-based application that promotes the collection, integration, and sharing of data at federal, state, and local levels
- The purpose of I-NEDSS is to automate the current process for reportable diseases, as defined by IAC 410
- The system includes lab reports, communicable disease reports (CDRs), and ISDH case investigations forms

what is I-NEDSS?









project objectives

- Increased speed
- Increased accuracy
- Increased accountability
- Increased security
- Increased situational awareness for state and local investigators

project history

2001-2006

ISDH searches for an electronic disease reporting solution

2007

PHPER is tasked with finishing development and deployment

late 2007

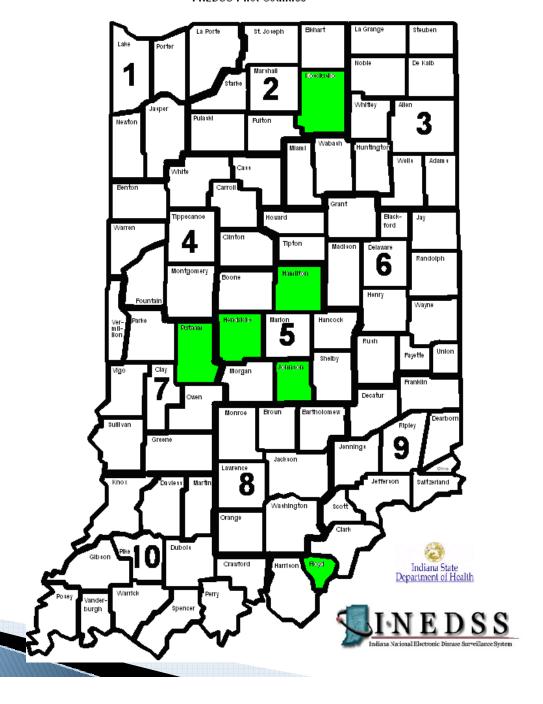
Notification module completed and LHD pilot enrollment started

Spring 2008

6 LHD's and 12 hospital IP's are trained for the pilot Summer 2008

Case Investigation Module completed and released to pilot counties

I-NEDSS Pilot Counties



project history

Fall 2008

Expanded LHD pilot to 12 more counties

late 2008

National reporting module completed and CDC PHIN certification completed for select conditions early 2009

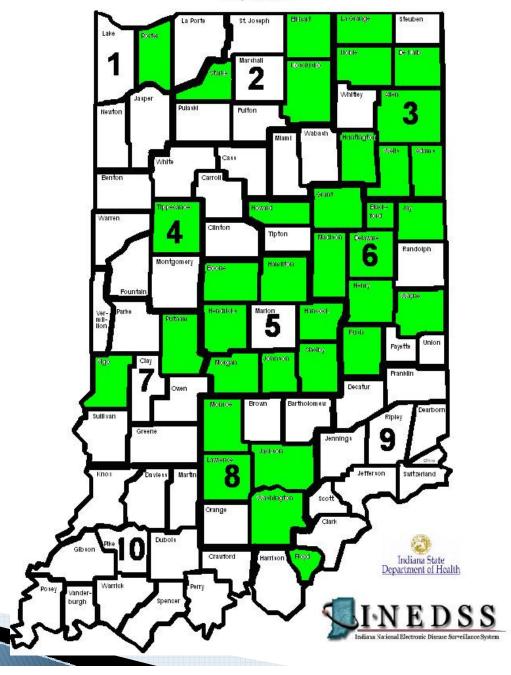
Expanded LHD to 5 more counties

Spring 2009

Completed two district trainings in Districts 6 & 3 May 2009

30 counties trained and several hospitals

I-NEDSS PARTICIPATING COUNTY HEALTH DEPTS May 1, 2009



project history

late 2009

10 district trainings completed, 61 local health departments participating and over a dozen hospitals early 2010

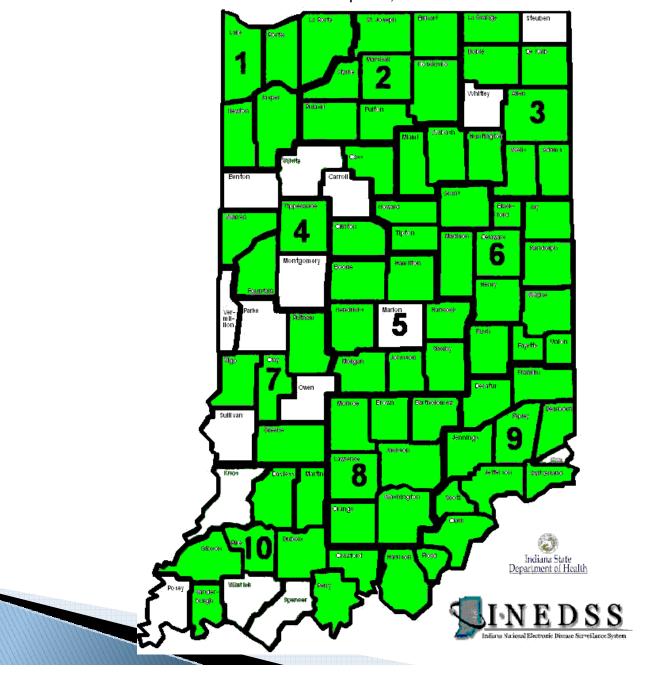
Established I-NEDSS User Panel, comprised of LHD, hospital, and ISDH users to help guide the development of the system

May 2010

78 local health departments participating, almost two dozen hospitals. Scheduling meetings with APIC regions to bring on more hospitals.

STD's can be reported in I-NEDSS using the electronic CDR form.

I-NEDSS PARTICIPATING COUNTY HEALTH DEPTS April 12, 2010



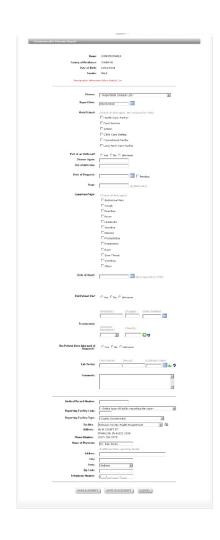
what components make up I-NEDSS?

- Notification Module Health care providers and laboratories submit electronic lab reports (ELRs) and communicable disease reports (CDRs) to the appropriate investigative unit at the local or state level
- Users- IP's, Physicians, Laboratories, and other Health Care Providers who are responsible for reporting notifiable conditions as outlined in IAC 410

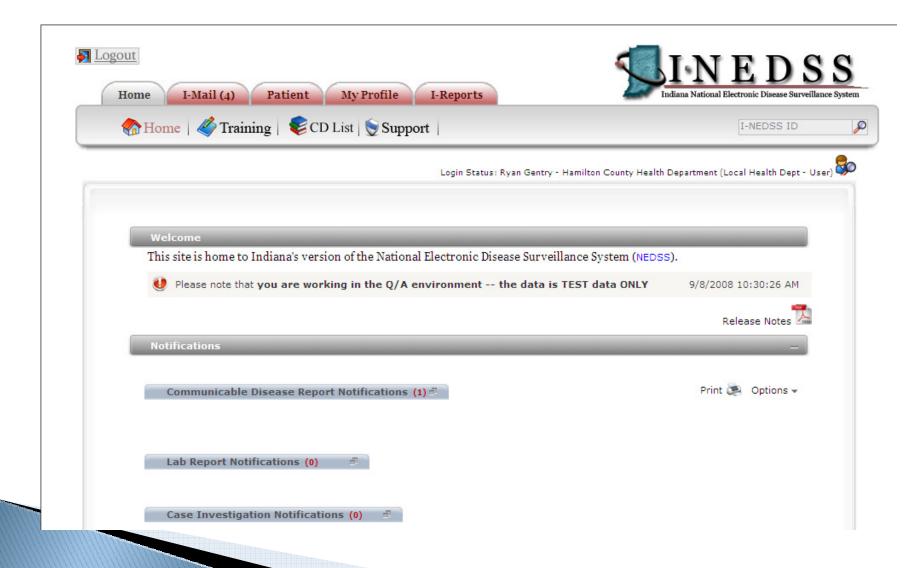
electronic lab reporting

- Electronic Lab Reports (ELRs) from Regenstrief Institute for Indiana Network for Patient Care (INPC) connected laboratories
- ELRs from the State Public Health Lab through Starlims
- ▶ ELRs from Mayo Laboratories, ARUP, Quest Diagnostics, and Alverno
- Labs reported directly through I–NEDSS
- ▶ I–NEDSS receives over 100 ELR's a day
- HITECH Grant

CDR reporting



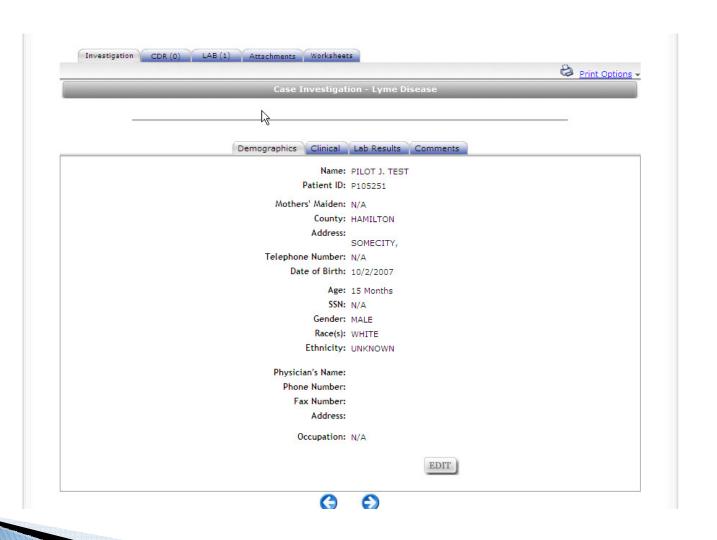
LHD home screen



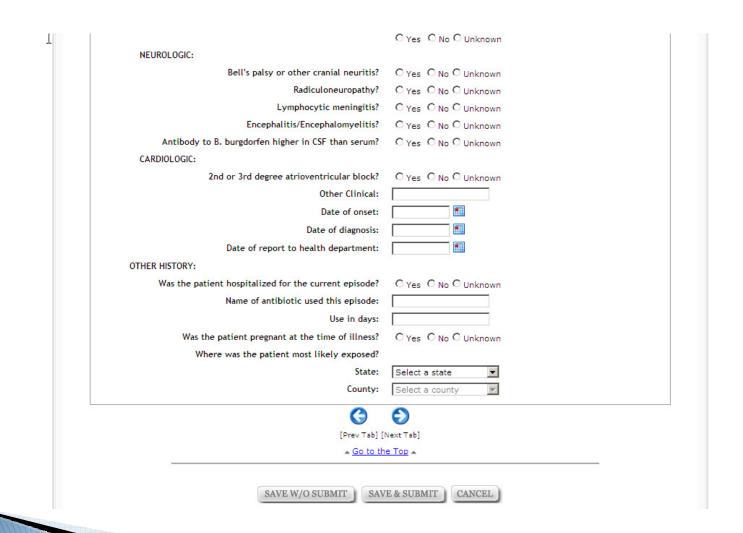
what components make up I-NEDSS?

- Case Investigation Module Investigative unit conducts case investigation and reports results to ISDH electronically
- Users Local Health Departments and ISDH Field Epidemiologist

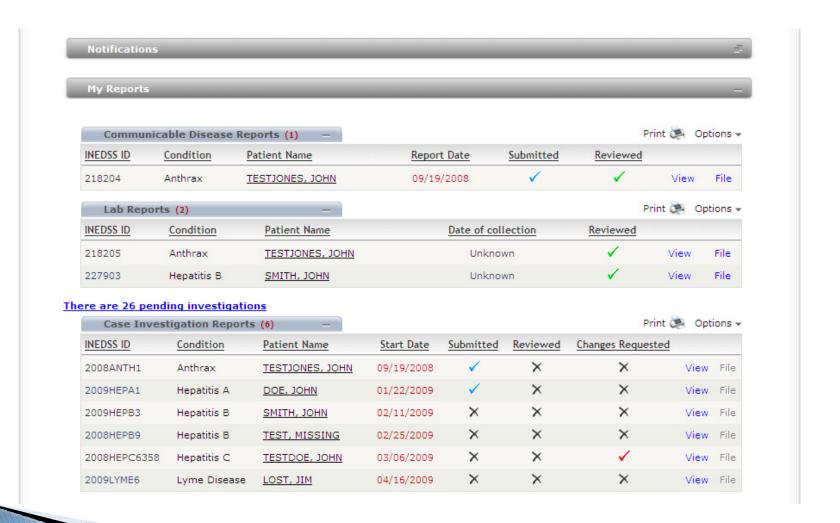
case investigation screen



case investigation screen



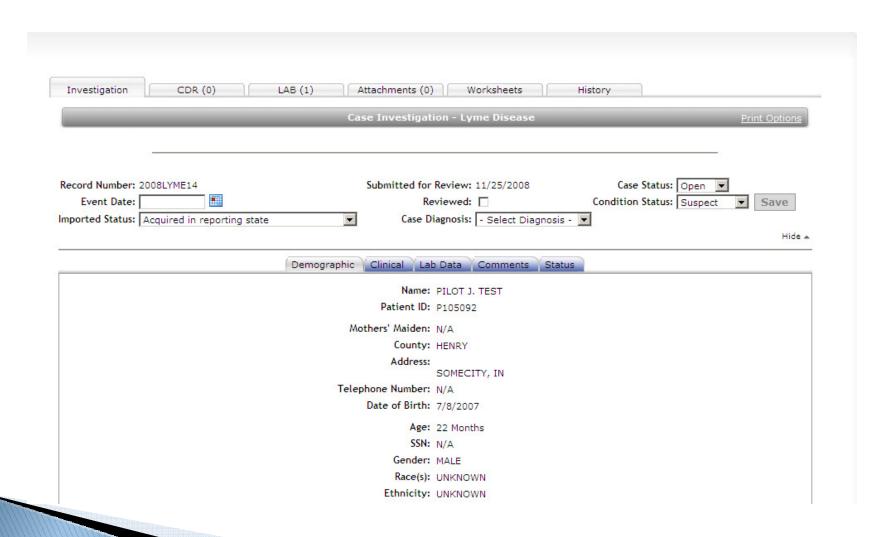
LHD my reports



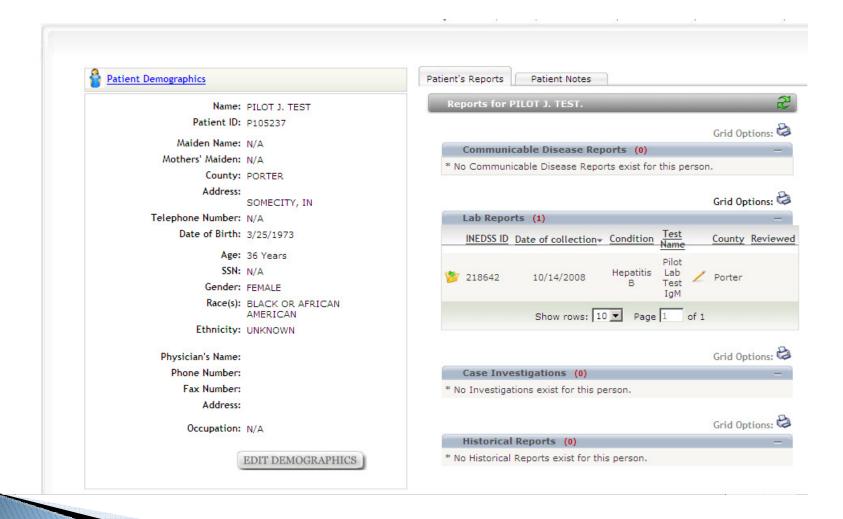
what components make up I-NEDSS?

- National Reporting Module ISDH reports summary disease data to the Centers for Disease Control and Prevention (CDC) using the national Public Health Information Network (PHIN)
- Indiana is one of only 22 states with this ability and continues to lead the nation in electronic messaging to the CDC
- Users ISDH Subject Matter Epidemiologists

case investigation ISDH epi review screen



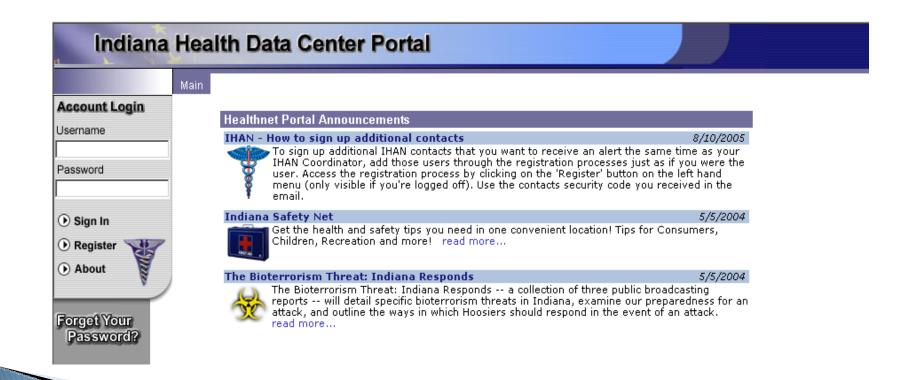
patient file



how does I-NEDSS affect notifiable disease reporting?

how do I access I-NEDSS?

Access to I-NEDSS is through the Indiana Health Data Center Portal



is the system secure?

Yes, the information is collected and stored behind the ISDH firewall when you log into the Health Data Center Portal

do I have to use I-NEDSS to report?

No, I-NEDSS is just another option to use for reporting notifiable conditions

what are the benefits of using the system?

- I-NEDSS has several features that enhance reporting
 - I-Mail, a secure email tool for communicating with other I-NEDSS users
 - I-Reports, generate customizable reports for monthly or annual statistics
 - I-Forum, an in system discussion board for asking questions, posting best practices, or providing feedback
 - The ability to directly influence the improvement of electronic reporting in Indiana

what support is available to system users?

The I-NEDSS Helpdesk is available Monday-Friday, 8:00-4:00 at I-NEDSS@isdh.IN.gov

And by phone at 317-233-7379

how do I get trained to use I-NEDSS?

- In 2010, we will be offering new and refresher training for any LHD that wants it.
- Please contact the I-NEDSS helpdesk to schedule an appointment.

what is planned for future development of the system?

- Statewide rollout of I-NEDSS to hospitals in 2010
- Centralized administration module (CAM) for health departments to assist in assigning/reviewing investigations
- Improved transfer of data from CDR's and ELR's to case investigations
- TB reporting for hospitals

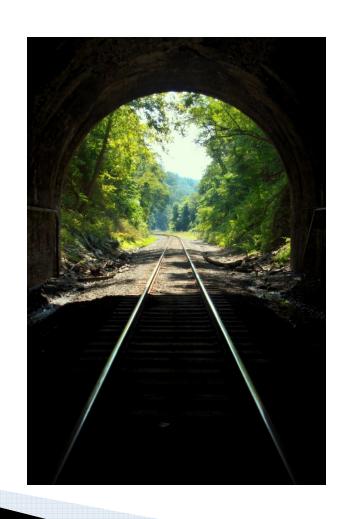
Challenges-2009

- Poor lab data quality, missing information
- Hospitals and physicians not onboard
- Decreasing budgets and increasing workloads
- Poor communication between state and locals
- Lack of IT resources
- Speed

Challenges-2010

- Poor lab data quality, missing information
- Hospitals and physicians not onboard, but we are getting closer
- Decreasing budgets and increasing workloads
- Poor communication between state and locals
- Lack of IT resources
- Speed

...but the light at the end of the tunnel is not always a train



questions?



I-NEDSS contact information

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